CLAIMS

1. An X-ray-sensitive camera, comprising a first X-ray-sensitive image detector for making a first tomographic image with a first depth of focus profile, **wherein** a second X-ray-sensitive image detector for making a second tomographic image with a second depth of focus profile is provided.

2. A camera as defined in claim 1, wherein the second depth of focus profile is distinctly smaller than the first depth of focus profile.

3. A camera as defined in claim 1 or claim 2, wherein the image-sensitive active surface of said second image detector is at least twice as large as said first image detector, in a first dimension, and/or said second image detector is not more than half as large as the first image detector, in a second dimension.

4. A camera as defined in any one of claims 1 to 3, wherein the two image detectors are disposed in a common casing of said camera.

5. A camera as defined in any one of claims 1 to 4, wherein the second image detector is disposed alongside the first image detector.

6. A camera as defined in any one of claims 1 to 5, wherein said second image detector is disposed on the rear side of said first image detector.

7. A camera as defined in any one of claims 1 to 6, wherein said second image detector is adapted for retrofitting.

8. A camera as defined in any one of claims 1 to 4, wherein said second image detector is part of said first image detector or said first image detector is part of said second image detector.

9. A camera as defined in any one of claims 1 to 8, wherein adjustment means are provided for optionally effecting proper alignment of said first image

detector or of said second image detector relatively to an X-ray emitter for the creation of the respective X-ray image.

10. A camera as defined in claim 8, wherein said adjustment means and the two image detectors are housed in a common casing with said camera.

11. A camera as defined in claim 9 or claim 10, wherein the adjustment means are provided on said casing of said camera and in the region of connecting means for the attachment of said camera to a support and said camera can be adjusted, as an entity, relatively to said connecting means.

12. A camera as defined in any one of claims 1 to 11, wherein said camera exhibits a radiolucent region.

13. A camera as defined in claim 12, wherein said radiolucent region is disposed between said first and said second image detector.

14. A camera as defined in claim 12, wherein said radiolucent region is disposed alongside said first and said second image detector.

15. An X-ray system having an image detector provided in an X-ray-sensitive camera, further comprising an X-ray emitter having a primary diaphragm and adjustment means for said image detector and/or said X-ray emitter and/or said primary diaphragm and/or a combination thereof, **wherein** there is provided within the camera a second image detector, and said second image detector can be moved into the optical path of the X-ray emitter by means of adjustment means.

16. An X-ray system as defined in claim 15, wherein adjustment means are provided which cooperate with said camera.

17. An X-ray system as defined in claim 16, wherein said adjustment means are provided in the casing of said camera or in connecting means located between said camera and a support or on the support itself.

18. An X-ray system as defined in any one of claims 16 to 17, wherein the adjustment range of said camera is equal to at least one width of said first sensor.

19. An X-ray system as defined in any one of claims 15 to 18, wherein there is additionally provided an installation for the creation of teleradiographic images with another image detector and, when said X-ray emitter is aligned for the purpose of creating a teleradiographic image, said camera is disposed in the region of the optical path between the X-ray emitter and the image detector of said installation for the creation of teleradiographic images and is radiolucent in said region.

20. An X-ray system as defined in any one of claims 15 to 19, wherein there is additionally provided an installation for the creation of teleradiographic images with another image detector and that the path of adjustment is such that, when the X-ray emitter is aligned for the creation of a teleradiographic image, said camera can be moved out of the optical path between said X-ray emitter and said image detector of said installation for the creation of teleradiographic images.

21. An X-ray system as defined in any one of claims 15 to 20, wherein said camera is mounted for eccentric adjustment and, in a first position, said image detector for the creation of a first tomographic image is positioned in the path of the X-ray fan beam and, in a second position, said image detector for the creation of a second tomographic image is positioned in the path of the X-ray fan beam.